

Abstract of the Disclosure

ENGINE VALVE ACTUATION SYSTEM

A valve actuation system includes an engine valve moveable between a first position at which engine valve prevents a flow of fluid relative to the engine valve second position at which the fluid flows relative to the engine valve. The system also has a cam follower operatively connected to the engine valve. A first cam is adapted to engage the cam follower such that the rotation of the first cam acts to move the engine valve from the first position to the second position during a first lift period. A second cam is adapted to engage the cam follower such that a rotation of the second cam acts to affect movement of the engine valve between the first position and the second position during a second lift period. A phase shifting device is operatively connected to the second cam and adapted to adjust the relative timing between the first lift period and the second lift period.

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